

## INFORMATION DISCLOSURE STATEMENT

APR 03 2003 (attach several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

2001U013.US

10/022,668

APPLICANT

Rex E. Murray

FILING DATE

GROUP

December 18, 2001

1754

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RH	AK	EP 0 950 667 A2	10/20/1999	Europe				
RH	AL	WO 02/46246 A2	06/13/2002	PCT				
RH	AM	WO 95/33497 A	12/14/1995	PCT				
	AN							
	AO							

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

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EXAMINER

DATE CONSIDERED

2-29-04

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant

<b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO. 2000U057.US		SERIAL NO. 10/023,265	
				APPLICANT Rex E. Murray			
				FILING DATE December 18, 2001		GROUP Unassigned	



U.S. PATENT DOCUMENTS							
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RM	AA	6,096,676	08/01/2000	Murray	502	117	
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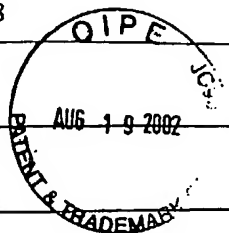
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RM	AI	WO 96/23101	01.08.96	Patent Cooperation Treaty				
RM	AJ	WO 00/20377	13.04.00	Patent Cooperation Treaty				
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	AN							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)		
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EXAMINER <div style="font-family: cursive; font-size: 1.2em; margin-top: 10px;">Robert Hall</div>	DATE CONSIDERED <div style="font-family: cursive; font-size: 1.2em; margin-top: 10px;">2-24-04</div>
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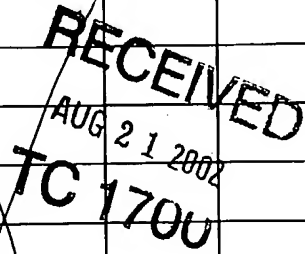
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<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO. 2001U013.US		SERIAL NO. 10/022,668	
				APPLICANT Murray, Rex E.			
				FILING DATE December 18, 2001		GROUP 1754	



U.S. PATENT DOCUMENTS							
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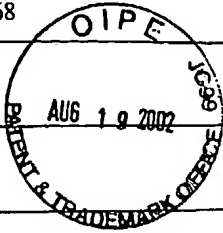


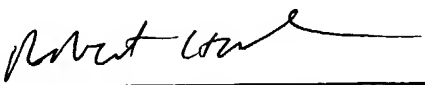
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<i>RM</i> <div style="border-left: 1px solid black; height: 100px; margin: 0 auto; width: 20px;"></div>	AC	EP 0 320 169 A2	14.06.89	Europe				
	AD	EP 0 349 886 B1	20.09.95	Europe				
	AE	EP 0 509 233 A2	21.10.92	Europe				
	AF	EP 0 761 694 B1	12.03.97	Europe				
	AG	EP 0 803 520 A1	29.10.97	Europe				
	AH	DE 42 02 889 A1	05.08.93	Germany				
	AI	WO 92/12162	23.07.92	PCT				
	AJ	WO 96/23010	01.08.96	PCT				
	AK	WO 96/33202	24.10.96	PCT				
	AL	WO 97/02298	23.01.97	PCT				
<i>MM</i>	AM	WO 97/45434	04.12.97	PCT				




OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)		
<i>RM</i> <div style="border-left: 1px solid black; height: 100px; margin: 0 auto; width: 20px;"></div>	AN	Gibson et al., "Synthesis and structural characterisation of aluminum imino-amide and pyridyl-amide complexes: bulky monoanionic N,N chelate ligands via methyl group transfer" <i>Journal of Organometallic Chemistry</i> 550, (1998) 453-456.
<div style="border-left: 1px solid black; height: 100px; margin: 0 auto; width: 20px;"></div>	AO	Fuhrmann et al., "Octahedral Group 4 Metal Complexes That Contain Amine, Amido, and Aminopyridinato Ligands: Synthesis, Structure, and Application in $\alpha$ -Olefin Oligo- and Polymerization" <i>Inorg. Chem</i> 1996, 35, 6742-6745 (Feb.).
<i>MM</i>	AP	George J.P. Briotovsek et al., "Novel Olefin Polymerization Catalysts Based on Iron and Cobalt" <i>Chem. Commun.</i> , 1998 849-850 (May).

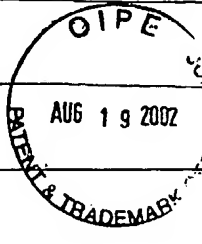
EXAMINER <div style="text-align: center; margin-top: 10px;"><i>Robert Earl</i></div>	DATE CONSIDERED <div style="text-align: center; margin-top: 10px;">2-24-04</div>
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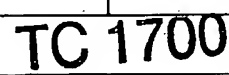
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U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
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	BC								
	BD								
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)									
	BE	Deelman et al., "Lithium Derivatives of Novel Monoanionic Di-N,N'-chelating Pyridyl- and Quinolyl-1-azaallyl Ligands" <i>Organometallics</i> 1997, 16, 1247-1252 (Aug.).							
	BF	Deelman et al., "Novel monanionic di-N,N'-centered chelating ligands and the C <sub>1</sub> and C <sub>2</sub> symmetrical zirconium complexes" <i>Journal of Organometallic Chemistry</i> 513 (1996) 281-285 (Nov.).							
	BG	Hitchcock et al., "Transformation of the Bis(trimethylsilyl)methyl into Aza-allyl and β-Diketimato Ligands; the X-Ray Structures of [Li{N(R)C(Bu')CH(R)}] <sub>2</sub> and [Zr{N(R)C(Bu')CHC(Ph)N(R)}Cl <sub>2</sub> ](R = SiMe <sub>3</sub> )" <i>J. Chem. Soc., Chem. Commun.</i> (1994) 2637-2638 (Aug.).							
	BH	Hitchcock et al., "Transformation of the Bis(trimethylsilyl)methyl into a β-Diketimato Ligand; the X-Ray Structure of [Li(L'L')] <sub>2</sub> , SnCi(Me) <sub>2</sub> (L'L') and SnCi(Me) <sub>2</sub> (LL), (L'L' = N(R)C(Ph)C(H)C(Ph)NR, LL = N)H)C(Ph)NH, R = SiMe <sub>3</sub> )" <i>J. Chem. Soc., Chem. Commun.</i> (1994) 1699-1700 (May).							
	BI	Clarke, et al., "Structural Investigations of the Dipyrromethene Complexes of Calcium(II), Nickel(II) and Copper(II)" <i>Inorganica Chimica Acta</i> . 166 (1989) 221-231 (Jun.).							
	BJ	Tjaden et al. "Synthesis, Structures, and Reactivity of (R <sub>6</sub> -acen)ZrR' <sub>2</sub> and (R <sub>6</sub> -acen)Zr(R') <sup>+</sup> Complexes (R = H, F; R' = CH <sub>2</sub> Me <sub>3</sub> , CH <sub>2</sub> Ph)" <i>Organometallics</i> 1995, 14, 371-386 (Jul.).							
	BK	Corazza et al., "cis-and trans-Dichloro-derivatives of Six- and Seven-coordinate Zirconium and Hafnium bonded to Quadridentate Schiff-base Ligands. Crystal Structures of [Zr(acen)Cl <sub>2</sub> (thf)], [M(salphen)Cl <sub>2</sub> (thf)] 0.5thf, [M(acen)Cl <sub>2</sub> ], (M = Zr or Hf), and [Zr(msal)Cl <sub>2</sub> ] acen = N,N'-ethylenebis(acetylacetonimine), salphen = N,N'-o-phenylenebis(salicylideneimine), msal = N-methylsalicylideneimine, and thf = tetrahydrofuran" <i>J. Chem. Soc. Dalton Trans.</i> (1990) 1335-1344 (Aug.).							
	EXAMINER				DATE CONSIDERED				
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	CC						
	CD						
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
RH	CE	Cozzi et al., "Oxazoline Early Transition Metal Complexes: Functionalizable Achiral Titanium(IV), Titanium(III), Zirconium(IV), Vanadium(III), and Chiral Zirconium(IV) Bis(oxazoline) complexes" <i>Inorg. Chem.</i> (1995), 34, 2921-2930, (Dec.).					
	CF	Korine et al., "Bis(Trimethylsilyl)benzamidinate zirconium dichlorides. Active catalysts for ethylene polymerization" <i>Journal of Organometallic Chemistry</i> 503 (1995) 307-314 (Mar.).					
	CG	Gomez et al., "Mono-η-cyclopentadienyl-benzamidinate chloro compounds of titanium, zirconium and hafnium" <i>Journal of Organometallic Chemistry</i> 491 (1995) 153-158 (Aug.).					
	CH	Flores, et al., "[N,N'-Bis(trimethylsilyl)benzamidinato]titanium and-zirconium Compounds. Synthesis and Application as Precursors for the Syndiospecific Polymerization of Styrene" <i>Organometallics</i> 1995, 14, 1827-1833 (Oct.).					
	CI	Dias et al., "N-Methyl-2(methylamino)troponimate Complexes of Tin(II), Gallium(III), and Indium(III). Syntheses of [(ME) <sub>2</sub> ATI] <sub>2</sub> Gal and [(Me) <sub>2</sub> ATI] <sub>2</sub> InCl Using the Tin(III) Reagent [(Me) <sub>2</sub> ATI] <sub>2</sub> Sn" <i>Inorg. Chem.</i> 1996, 35, 6546-6551 (Jun.).					
	CJ	Cotton et al., "Structural Studies of formamidine compounds: from neutral to anionic and cationic species" <i>Polyhedron</i> vol. 16 No. 3 pp. 541-550, 1997 (Apr.).					
	CK	Gornitzka et al., "Coordination of the Bis(pyridyl)methyl Substituent to Group 1 and 13 Metals" <i>Organometallics</i> 1994, 13, 4398-4405 (May).					
RH	CL	Roesky et al., "Benzamidnatokomplexe mit Haupt- und Nebengruppen-Elementen – Strukturen von PhC(NSiMe <sub>3</sub> ) <sub>2</sub> TiCl <sub>2</sub> and PhC(NSiMe <sub>3</sub> ) <sub>2</sub> MoO <sub>2</sub> " <i>Chem. Ber</i> 121, 1403-1406 (1988) (Feb.).					
EXAMINER  <i>Robert Hurl</i>				DATE CONSIDERED  2-24-04			
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant</p>							

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	DC						
	DD						



OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)		
RH	DE	Cloke et al., "Zirconium Complexes incorporating the New Tridentate Diamide Ligand [(Me <sub>3</sub> Si)N(CH <sub>2</sub> CH <sub>2</sub> N(SiMe <sub>3</sub> )) <sub>2</sub> ] <sup>2-</sup> (L); the Crystal Structures of [Zr(BH <sub>4</sub> ) <sub>2</sub> L] and [ZrCl{CH(SiMe <sub>3</sub> ) <sub>2</sub> }L]" J. Chem. Soc. Dalton Trans 1995 25-30 (Jul.).
	DF	Linden et al., "Polymerization of $\alpha$ -Olefins and Butadiene and Catalytic Cyclotrimerization of 1-Alkynes by a New Class of Group IV Catalysts. Control of Molecular Weight and Polymer Microstructure via Ligand Turning in Sterically Hindered Chelating Phenoxide Titanium and Zirconium Species" J. Am. Chem. Soc. 1995, 117, 3008-3021 (Jul.).
	DG	Brand et al. "Facile Reduction of a Dialkyl Zirconium(IV) Octaethylporphyrin (OEP) Complex by H <sub>2</sub> : Crystal Structure and Spectroscopic Characterization of [(OEP)ZrCH <sub>2</sub> SiMe <sub>3</sub> ]" Angew. Chem. Int. Ed. Engl. 1994 33, No.1 95-97 (Jul.).
	DH	Solari et al., "Functionalizedable 5,5,10,10,15,15,20,20-Octaethylporphyrinogen Complexes of Early Transition Metals: Synthesis and Crystal Structure of Titanium-, Vanadium- and Chromium- (III) Derivatives and a Two-electron Oxidation of the Porphyrinogen Skeleton" J. Chem. Soc. Dalton Trans 1994 2015-2017 (Apr.).
	DI	Uhrhammer et al., "Cationic d <sup>0</sup> Metal Alkyls Incorporating Tetraaza-Macrocyclic Ancillary Ligands. Synthesis and Reactivity of (Me <sub>3</sub> taa)M(R) <sup>+</sup> and (Me <sub>4</sub> taen)M(R) <sup>+</sup> (M = Zr, Hf) Complexes" J. Am. Chem. Soc. 1993, 115, 8493-8494 (Apr.).
	DJ	Giannini, et al., "Tetraaza[14]annulenezirconium (iv) Complexes with Butadiene Ligands and their Relationship with Bis(cyclopentadienyl)zirconium(IV) Complexes." Angew. Chem. Int. Ed. Engl. 1994, 33 No. 21 (May).
	DK	Kol, et al., "Synthesis of Molybdenum and Tungsten Complexes That Contain Triamidoamine Ligands of the Type (C <sub>6</sub> F <sub>5</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> N and Activation of Dinitrogen by Molybdenum" J. Am. Chem. Soc. 1994, 116, 4382-4390, (Oct.).
RH	DL	Bei et al., "Synthesis, Structures, Bonding, and Ethylene Reactivity of Group 4 Metal Alkyl Complexes Incorporating 8-Quinolinolato Ligands" Organometallics 1997, 16, 3282-3302 (Mar.).

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OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)									
RE	EE	Tsukahara, et al., "Neutral and Cationic Zirconium Benzyl Complexes Containing Bidentate Pyridine-Alkoxide Ligands. Synthesis and Olefin Polymerization Chemistry of $(pyCR_2O)_2Zr(CH_2Ph)_2$ and $(pyCR_2O)_2Zr(CH_2Ph)^+$ Complexes" Organometallics 1997, 16, 3303-3313 (Mar.)							
/	EF	Kim et al., "Synthesis, Structures, Dynamics, and Olefin Polymerization Behavior of Group 4 Metal $(pyCAR_2O)_2M(NR_2)_2$ Complexes Containing Bidentate Pyridine-Alkoxide Ancillary Ligands" Organometallics 1997, 16, 3314-3323 (Mar.)							
/	EG	Durfee et al., "Formation and Characterization of $\eta^2$ -Imine and $\eta^2$ -Azobenzene Derivatives of Titanium Containing Ancillary Aryloxy Ligand" Organometallics, vol. 9, No. 1, 1990, pp 75-80, (Jan.).							
RM	EH	Lappert et al., "Recent studies on metal and metalloid bis(trimethylsilyl) methyls and the transformation of the bis(trimethylsilyl)methyl into the azaallyl and $\beta$ -diketiminato ligands" Journal of Organometallic Chemistry 500, (1995) 203-217, (Sep.).							
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